

**INTERIM SURFICIAL GEOLOGIC MAP  
OF THE LEVAN SEGMENT OF THE  
WASATCH FAULT ZONE, JUAB AND  
SANPETE COUNTIES, UTAH**

Contract Deliverable to U.S. Geological Survey

by  
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**DESCRIPTION OF MAP UNITS**  
(see text booklet appendix for detailed descriptions,  
and figure 3 for sources of compiled geologic mapping.)

**STREAM ALLUVIUM**

- aly Younger stream alluvium (upper Holocene)
- alo Older stream alluvium (lower Holocene to middle Pleistocene)
- ab Basin-fill alluvium (upper Holocene to middle? Pleistocene)
- ac Alluvium and colluvium, undivided (Holocene)

**FAN AND PEDIMENT ALLUVIUM**

- afy Younger fan alluvium (upper Holocene)
- afc Coalesced fan alluvium (upper Holocene to middle Pleistocene)
- afi Intermediate-age fan alluvium (lower Holocene)
- afo Older fan alluvium (upper to middle Pleistocene)
- QTaf Alluvial-fan deposits (Pleistocene to Miocene?)
- QTpm Pediment mantle deposits (Pleistocene to Miocene?)

**COLLUVIAL DEPOSITS**

- cd Debris-flow deposits (upper Holocene)
- cft Rock-fall and talus deposits (Holocene to upper Pleistocene)
- clsy Younger landslide deposits (Holocene)
- cls0 Older landslide deposits (Pleistocene)
- ca Colluvium and alluvium, undivided (Holocene to upper Pleistocene)

**ARTIFICIAL DEPOSITS**

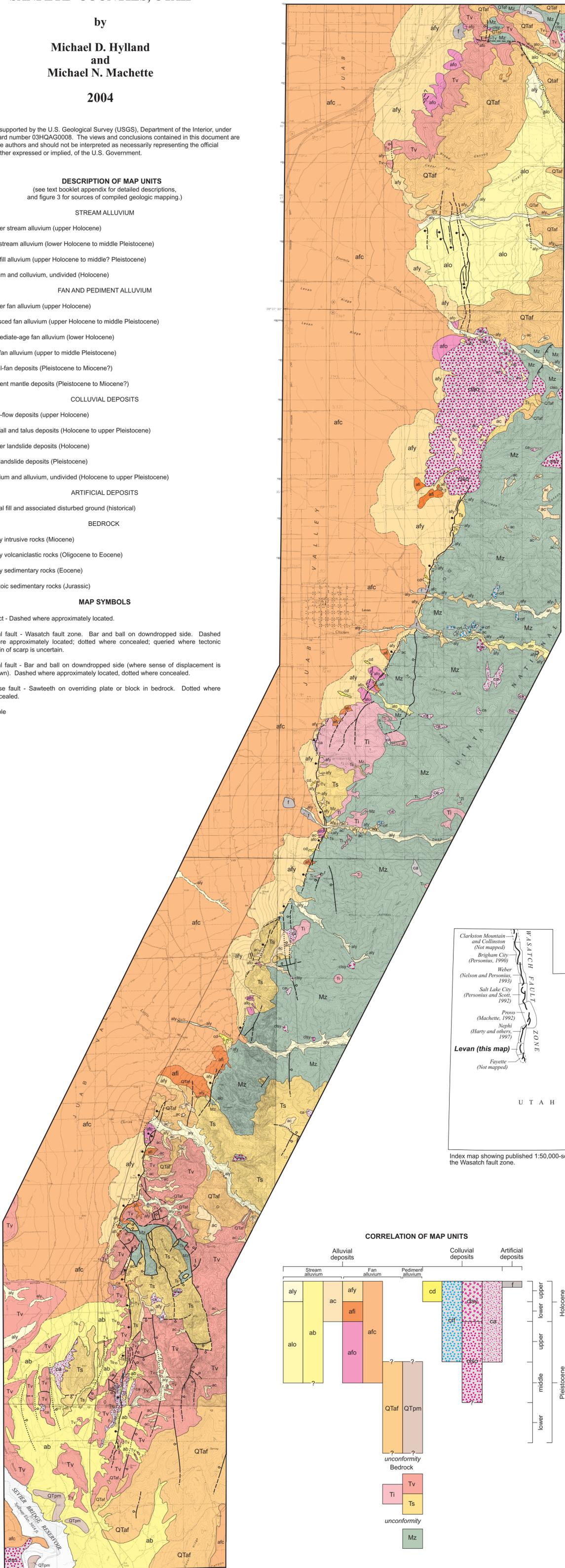
- f Artificial fill and associated disturbed ground (historical)

**BEDROCK**

- Ti Tertiary intrusive rocks (Miocene)
- Tv Tertiary volcanoclastic rocks (Oligocene to Eocene)
- Ts Tertiary sedimentary rocks (Eocene)
- Mz Mesozoic sedimentary rocks (Jurassic)

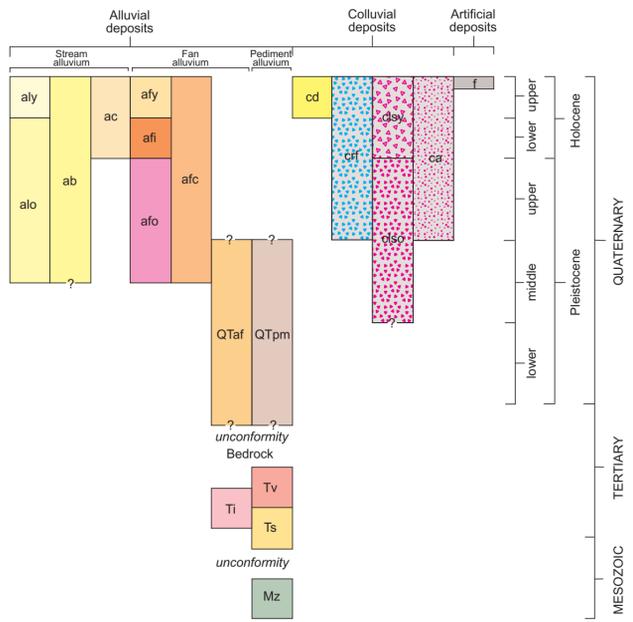
**MAP SYMBOLS**

- Contact - Dashed where approximately located.
- |—|—| Normal fault - Wasatch fault zone. Bar and ball on downdropped side. Dashed where approximately located; dotted where concealed; queried where tectonic origin of scarp is uncertain.
- |—|—| Normal fault - Bar and ball on downdropped side (where sense of displacement is known). Dashed where approximately located, dotted where concealed.
- |—|—| Reverse fault - Sawteeth on overriding plate or block in bedrock. Dotted where concealed.
- Sinkhole

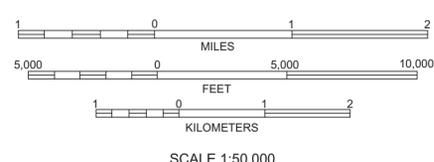


Index map showing published 1:50,000-scale strip maps along the Wasatch fault zone.

**CORRELATION OF MAP UNITS**



Base map from U.S. Geological Survey 1:24,000-scale Nephi (1983), Levan (1983), Juab (1983), Chriss Canyon (1965), Skinner Peaks (1965), and Hells Kitchen Canyon SW (1965) quadrangles.



SCALE 1:50,000